



# Air Pollution Control Board

## San Diego County Air Pollution Control District

### GOVERNING BODY

GREG COX  
First District

DIANNE JACOB  
Second District

DAVE ROBERTS  
Third District

RON ROBERTS  
Fourth District

BILL HORN  
Fifth District

### AGENDA ITEM

**DATE:** October 29, 2014

**AP01**

**TO:** Air Pollution Control Board

**SUBJECT:** NOTICED PUBLIC HEARING - 2013 AIR TOXICS "HOT SPOTS"  
PROGRAM REPORT FOR SAN DIEGO COUNTY (DISTRICTS: ALL)

#### Overview

The California Air Toxics "Hot Spots" Information and Assessment Act (Program) was enacted in 1987 to address public concern over the release of toxic air contaminants into the environment. Under the Program, facilities emitting toxic substances are required to provide local air pollution control districts with information to identify the sources of toxic air contaminants emitted by their facilities and locate "hot spots" where toxic air contaminants are concentrated. The local air pollution control district is required to review and approve the data submitted by facilities, compile an inventory of emissions, and publish an annual program report on the region's toxic air contaminant emissions, risk assessment results, and the control measures' effectiveness. The facilities, in addition to submitting the report, must notify those public members impacted by elevated toxic risks.

The 2013 Air Toxics "Hot Spots" Program Report for San Diego County is an annual report completed by the San Diego County Air Pollution Control District (District) to fulfill the requirements of the Program by summarizing the program elements, the current status of the program in San Diego County, and conclusions drawn from the program to date. The Report also includes stationary and mobile emission estimates, results of local health risk assessments (HRAs) and the current status of public notifications.

Today's requested action is to consider the 2013 Air Toxics "Hot Spots" Program Report for San Diego County and approve the report for public distribution.

#### Recommendation(s)

##### AIR POLLUTION CONTROL OFFICER

1. Consider the 2013 Air Toxics "Hot Spots" Program Report for San Diego County and approve the report for public distribution (Attachment A).

#### Fiscal Impact

There is no fiscal impact associated with the Board's acceptance of the 2013 Air Toxics "Hot Spots" Program Report for San Diego County. There will be no change in net General Fund costs and no additional staff years.

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**Business Impact Statement**

N/A

**Advisory Board Statement**

At its meeting on August 13, 2014, the San Diego County Air Pollution Control District Advisory Committee expressed support for the Air Pollution Control District’s recommendation to approve the 2013 Air Toxics "Hot Spots" Program Report for San Diego County.

**Background**

The California Air Toxics “Hot Spots” Information and Assessment Act (Program) is a state-mandated program enacted in 1987 to address public concern over toxic air emissions. The Program requires local air pollution control districts to evaluate toxic air contaminant emissions, determine which emissions present public health concerns and for facilities to develop strategies to reduce the potential risks of toxic air contaminants to public health. This statewide program is implemented by local air pollution control districts using guidance developed by the State Office of Environmental Health Hazard Assessment (OEHHA), the California Air Pollution Control Officers Association, and the California Air Resources Board (CARB).

Under the Program, facilities emitting toxic contaminants are required to provide local air pollution control districts with information that is used to achieve the objectives of the program and must update their toxic emission inventories at least every four years. The District is then required to review and approve the data submitted by facilities, compile an inventory of emissions, and publish an annual program report on the region’s toxic air contaminant emissions, risk assessment results, and control measures effectiveness.

The Program identifies and prioritizes facilities that emit toxic air contaminants in amounts that warrant a detailed evaluation of potential public health risks through preparation of a site-specific Health Risk Assessment (HRA). Each facility is placed into one of three categories: Category A for facilities that are required to prepare and submit a HRA; Category B for facilities that may be required to conduct a HRA at a future date; and Category C for facilities that are not required to conduct a HRA.

Each facility that has been placed in Category A must prepare and submit a HRA to the District. The HRA studies the possible public health risks posed by emissions of toxic compounds and incorporates conservative pollutant dispersion estimates, human exposure assumptions, and health effects information to ensure that the final risk assessments are not underestimated. Each HRA is reviewed by the District and OEHHA to identify deficiencies requiring correction. The District then approves, modifies, or returns the HRA for corrections. Once a HRA has been approved, the Program requires facilities with risks over specified levels to provide public notice to all exposed persons. In addition, facilities with significant risks are required to reduce risks below the significant risk levels within five years. The results of all approved HRAs under the Program are included in the Annual Program Report and are available for public review.

It is also noteworthy that since inception of the Program in 1987, the San Diego Air Pollution Control District has developed toxic emission inventory reporting procedures that streamline the

**SUBJECT: NOTICED PUBLIC HEARING - 2013 AIR TOXICS “HOT SPOTS”  
PROGRAM REPORT FOR SAN DIEGO COUNTY (DISTRICTS: ALL)**

reporting process while continuing to meet all program requirements. These customer service oriented enhancements save businesses time and money, which in turn improves compliance. Examples of these streamlining efforts include enhancements such as:

- Customizing inventory forms based upon site-specific equipment information.
- Calculating emissions based on process information supplied by the facility operator.
- Crafting industry-specific reporting forms to allow small businesses to meet inventory requirements more cost-effectively.
- Standardizing and automating many computational and record keeping tasks that reduce the workload for affected businesses.
- Merging multiple required reports to eliminate duplicate data requests.
- Collaborating with CARB, OEHHA, and other air agencies to develop universal health risk assessments for gas stations, dry cleaners, and auto body shops to assess industry-wide impacts.

**Results**

Approximately 3,130 San Diego facilities are required to comply with the Program. These include 1,750 diesel engine facilities, 368 auto body shops, 683 gasoline stations, and 117 dry cleaners. In 2013, 61 new inventory reports were approved by the District bringing the historical number of reports to over 4,000. The District also approved one HRA in 2013 bringing the historical number of HRAs approved to 89 (Attachment A, Table 4).

Industrial toxic air contaminant emissions have been reduced by approximately 87.7% (11.0 million pounds per year) since 1989 in San Diego County. The declining emission trends for industrial toxic air contaminants are paralleled by declining health risks associated with the data collected at the El Cajon and Chula Vista ambient air monitoring stations. It should be noted that these risks are based on ambient monitoring data for 25 pollutants and does not include risk from diesel particulate matter.

To estimate the risk from diesel particulate matter, measurements of elemental carbon were taken at El Cajon, Escondido, and Downtown San Diego between August 2008 and June 2010. These measurements indicate that diesel particulate matter may currently contribute an additional cancer risk of 354 in one million to the measured air toxics risk levels of 116 in one million (Chula Vista) and 141 in one million (El Cajon). Nevertheless, the risk from diesel particulate matter alone has declined by 50% over the last decade in San Diego County.

Public notifications and health risk reductions are required for the Program. Regulated facilities with estimated cancer risks above ten in one million or non-cancer risks above levels recommended by OEHHA must provide direct mail notices to impacted residents, businesses, schools, and other specified locations. Facilities with estimated cancer risks above 100 in one million or significant non-cancer risks must reduce risks below these levels, generally within five years.

Health & Safety Code Section 44344 requires emission inventories to be updated every four years. The 2013 Air Toxics “Hot Spots” annual report covers information from 2009-2012. Toxic air contaminant emissions have been inventoried at least three times for the 1,450 sources

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PROGRAM REPORT FOR SAN DIEGO COUNTY (DISTRICTS: ALL)**

subject to the program. Also included are risk assessment results for 29 facilities that were required to conduct risk reduction and/or public notification. Of the 29 facilities, five are no longer in operation, five have more recent health risk assessments below public notification levels, seven have implemented significant changes to reduce risk below public notification levels, five are not required to conduct public notification with non-cancer hazard indices below 5, and seven are notifying the public of potential risks on a biennial schedule.

To complement the Program, Rule 1200 (adopted by the Board June 12, 1996 (1)) regulates potential public health risks from new and expanded business operations. In 2013, the District reviewed 202 projects subject to Rule 1200, which brings the historical number of Rule 1200 HRA's for the District to approximately 3,800. Approximately 90% had maximum potential cancer risks below one in one million. The remainder had risks between one and ten in one million and were required to use Toxics Best Available Control Technology.

The ongoing toxic air contaminant control program along with the annual Air Toxics "Hot Spots" Program Report will continue to reduce local public health risks associated with emissions of toxic air contaminants. Those efforts will continue to improve information on levels of exposure and risk as well as identifying compounds, processes, and facilities that are potentially causing significant risks.

On July 21, 2014, the District held a public workshop to discuss and receive comments on the 2013 program report. A report of the results of that workshop is provided in Attachment B.

Upon approval by the Board, the 2013 report will be distributed to city councils, local health officials, and other stakeholders as required by state law, and will be made available on the District's Web site.

**Environmental Statement**

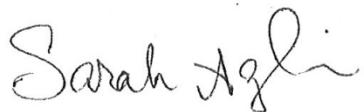
Pursuant to Section 15061(b)(3) of the California Environmental Quality Act (CEQA) Guidelines, CEQA applies only to projects that have the potential for causing a significant adverse effect on the environment. The 2013 Air Toxics “Hot Spots” Program Report for San Diego County is not a project subject to CEQA; CEQA does not apply to this action.

**Linkage to the County of San Diego Strategic Plan**

Today's proposed actions support the Sustainable Environments Initiative in the County of San Diego's 2014-2019 Strategic Plan with an objective to support environments that foster viable livable communities while bolstering economic growth. Approval and distribution of the 2013 Air Toxics “Hot Spots” Program Report for San Diego County will help ensure public awareness and participation in the program. Continued implementation of this program will enable the District to identify and reduce remaining significant health risks caused by sources of toxic air contaminants.

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PROGRAM REPORT FOR SAN DIEGO COUNTY (DISTRICTS: ALL)

Respectfully submitted,



SARAH E. AGHASSI  
Deputy Chief Administrative Officer



ROBERT J. KARD  
Air Pollution Control Officer

ATTACHMENT(S)

Attachment A - 2013 Toxics "Hot Spots" Report for San Diego County

Attachment B - Workshop Report

**SUBJECT:** NOTICED PUBLIC HEARING - 2013 AIR TOXICS “HOT SPOTS”  
PROGRAM REPORT FOR SAN DIEGO COUNTY (DISTRICTS: ALL)

**AGENDA ITEM INFORMATION SHEET**

**REQUIRES FOUR VOTES:** ☐ Yes ☒ No

**WRITTEN DISCLOSURE PER COUNTY CHARTER SECTION 1000.1 REQUIRED**

☐ Yes ☒ No

**PREVIOUS RELEVANT BOARD ACTIONS:**

December 4, 2013 (1), Approved the 2012 Air Toxics “Hot Spots” Program Report;  
December 5, 2012 (2), Approved the 2011 Air Toxics “Hot Spots” Program Report;  
September 28, 2011 (1), Approved the 2010 Air Toxics “Hot Spots” Program Report;  
December 8, 2010 (1), Approved the 2009 Air Toxics “Hot Spots” Program Report; September  
23, 2009 (1), Approved the 2008 Air Toxics “Hot Spots” Program Report;  
December 10, 2008 (1), Approved the 2007 Air Toxics “Hot Spots” Program Report;  
December 12, 2007 (1), Approved the 2006 Air Toxics “Hot Spots” Program Report; December  
13, 2006 (1), Approved the 2005 Air Toxics “Hot Spots” Program Report; December 14, 2005  
(1), Approved the 2004 Air Toxics “Hot Spots” Program Report; December 15, 2004 (1),  
Approved the 2003 Air Toxics “Hot Spots” Program Report; December 10, 2003 (1), Approved  
the 2002 Air Toxics “Hot Spots” Program Report; October 9, 2002 (1), Approved the 2001 Air  
Toxics “Hot Spots” Program Report; October 17, 2001 (4), Approved the 2000 Air Toxics “Hot  
Spots” Program Report; October 25, 2000 (4), Approved the 1999 Air Toxics “Hot Spots”  
Program Report; December 15, 1999 (1), Approved the 1998 Air Toxics “Hot Spots” Program  
Report; September 23, 1998 (3), Approved the 1997 Air Toxics “Hot Spots” Program Report;  
October 22, 1997 (1), Approved the 1996 Air Toxics “Hot Spots” Program Report; June 12,  
1996 (2), Adoption of New Rule 1210 Toxic Air Contaminant Public Health Risks – Public  
Notification and Risk Reduction; June 12, 1996 (1), Adoption of New Rule 1200 Toxic Air  
Contaminants – New source Review.

**BOARD POLICIES APPLICABLE:**

N/A

**BOARD POLICY STATEMENTS:**

N/A

**MANDATORY COMPLIANCE:**

N/A

**ORACLE AWARD NUMBER(S) AND CONTRACT AND/OR REQUISITION  
NUMBER(S):**

N/A

**ORIGINATING DEPARTMENT:** AIR POLLUTION CONTROL DISTRICT

**OTHER CONCURRENCES(S):** N/A

**CONTACT PERSON(S):**

**SUBJECT:** NOTICED PUBLIC HEARING - 2013 AIR TOXICS “HOT SPOTS”  
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